

https://verifone.cloud/docs/sca-functional-specification/media_specifictn/ui_engage_device/disp_scrn_ui_eng_devc_e280

Updated: 23-Sep-2025

e280 - User Inteface

Idle Screen

The Idle Screen displays upon device power up, after reboot, and after transaction completion. SCA supports the following merchant controlled media areas: Idle Screen Video, Idle Screen Animation, and Idle Screen Full Image.



Note

Refer to [Media File - Size and Formats](#) for more information on Idle screen resolutions and media files.

Register POS

Display

Description

REGISTER command sends a 4-digit code to the device. Enter this code to register the POS. Once registered, the POS should run the Test MAC command to confirm the pairing worked.

Line Items Screen

The Line Item Screen displays when the POS sends start transaction message or interactively as the POS scans line items. The key line item display fields are:

Description

- Quantity
- Description
- Unit Price
- Extended Price
- Running Tax Total
- Running Sub Total (optional)
- Coupons or Discounts

Display

Line Items	
<div> <div>#1 Combo Meal</div> <div>1</div> <div>\$</div> <div>5.00</div> </div> <div> <div>#1 Combo Meal</div> <div>1</div> <div>\$</div> <div>5.00</div> </div> <div> <div>EmpDisc</div> <div></div> <div>\$</div> <div>2.00</div> </div> <div> <div>1OffAnyPurch</div> <div></div> <div>\$</div> <div>1.00</div> </div>	
Sub Total	
\$ 7.00	
Tax	
\$ 0.42	
Total	
\$ 7.42	
Insert, Tap or Swipe	


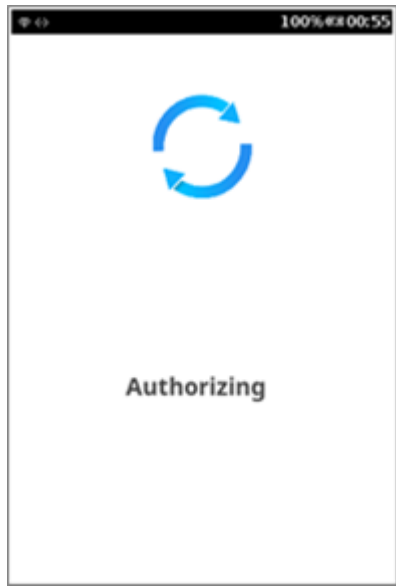
Note

Refer to [Media File - Size and Formats](#) for more information on Line Item screen resolutions and media files.

Transaction Flows

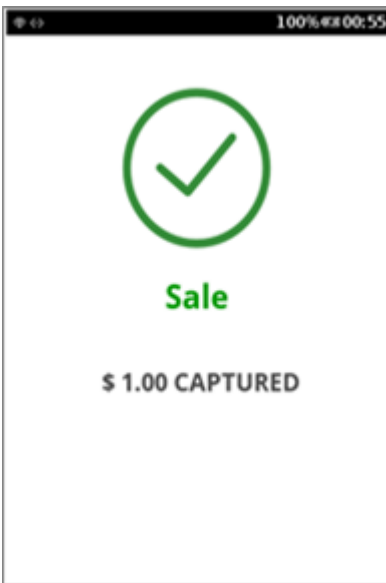
Sale (EMV CT and CTLS with Quick chip enabled)

Sale - Tap

Display	Description
	Select the card entry mode: Tap
	Authorization in progress screen.

Display

Description



Transaction is approved screen. After the transaction is complete, the device will return to the Idle Screen.

Sale - Insert

Display

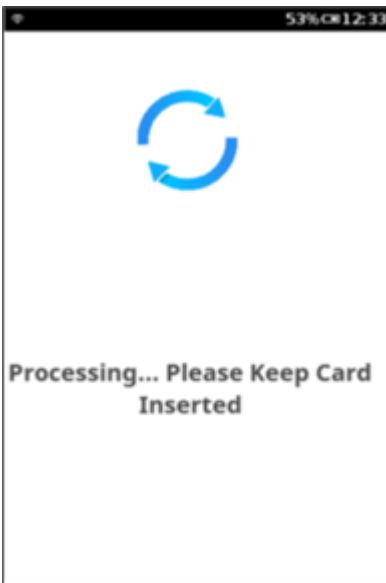
Description



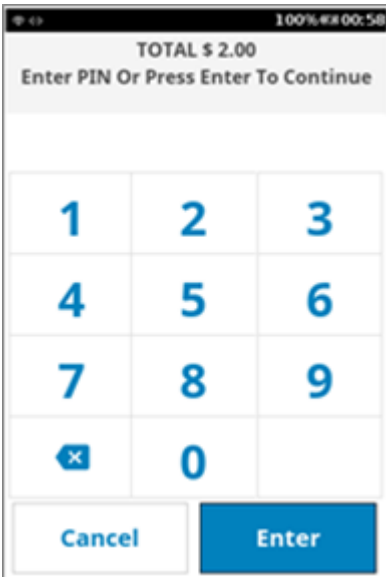
Select the card entry mode: Insert or Swipe.

Display

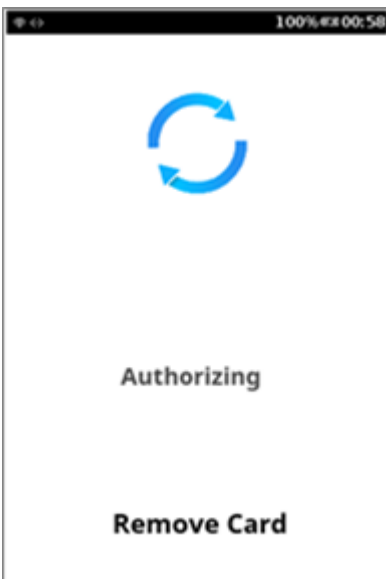
Description



Processing screen and card should be inserted.



Tap the text box for keyboard input and type the PIN or press the Enter key to continue to next screen.



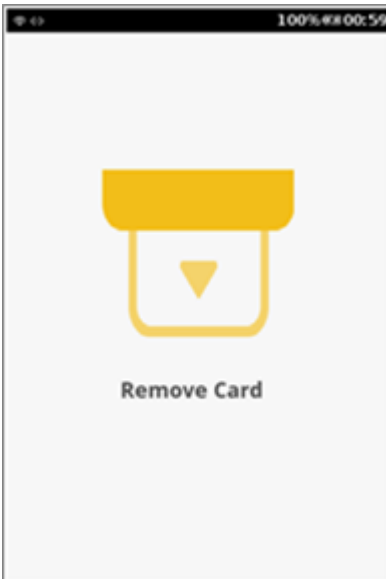
Authorization in progress screen.

Display

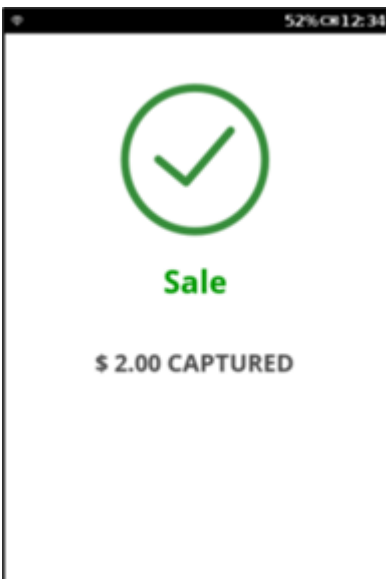
Description



If merchant is configured for enable signature capture and the transactional signature dollar threshold is exceeded, the Signature screen will display. Sign in the signature area and tap OK button. Tap the Clear button on form or physical keypad while a signature is present will clear the signature so that it can be re-written by the cardholder.



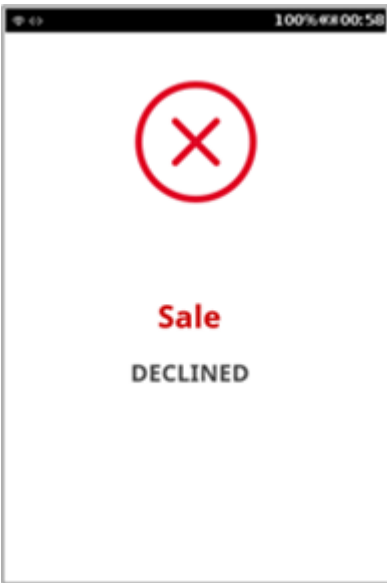
The transaction is completed, and the card can be removed. After the card is removed the status screen is displayed, until the next command is sent.



This is the Status screen as Sale Approved.

Display

Description



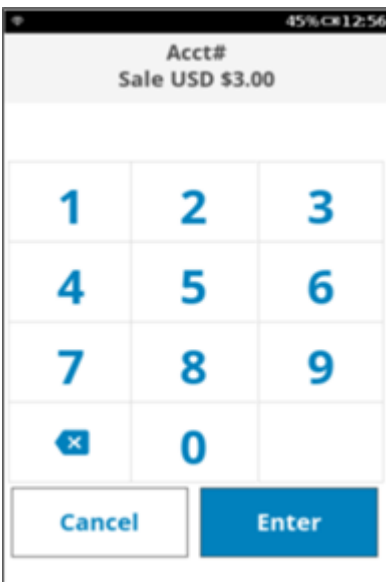
This is the Status screen as Sale Declined.

Sale - Manual Entry - For the transactions with manual card entry, following are the additional screens to gather card details.

After three failed card swipe attempts, SCA will display 'Please Wait for the Cashier'. If the merchant configuration is enabled, then the device may next prompt for manual card entry.

Display

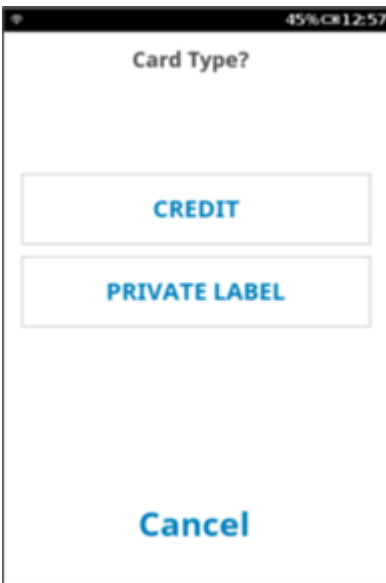
Description



Tap the text box for keyboard input and type card number. Press the green Enter key on the device keyboard to proceed to Card Type selection screen.

Display

Description

A mobile app screen titled "Card Type?". It features two large, light blue buttons: "CREDIT" and "PRIVATE LABEL". At the bottom, there is a "Cancel" button. The status bar at the top shows 45% battery and the time 12:57.

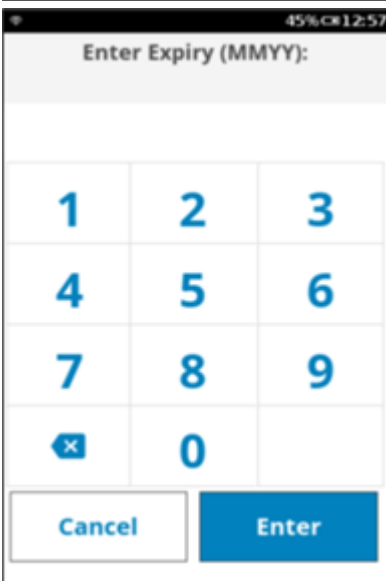
Card Type?

CREDIT

PRIVATE LABEL

Cancel

Select the Card type and proceed to next screen.

A mobile app screen titled "Enter Expiry (MMYY):". It features a numeric keypad with digits 1-9, 0, and a backspace icon. Below the keypad are "Cancel" and "Enter" buttons. The status bar at the top shows 45% battery and the time 12:57.

Enter Expiry (MMYY):

1 2 3

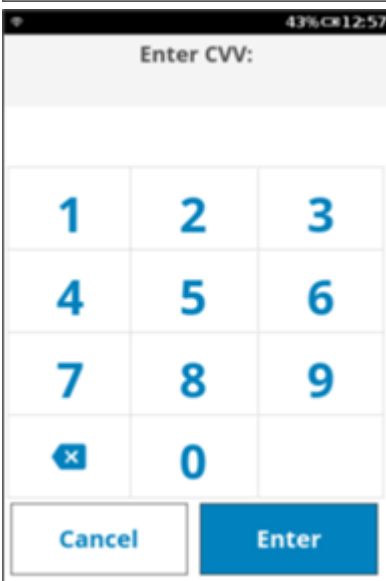
4 5 6

7 8 9

✕ 0

Cancel Enter

Tap the text box for keyboard input and type the expiration date in MMYY format. Press the green Enter key on the device keyboard. The device will next prompt for CVV Number.

A mobile app screen titled "Enter CVV:". It features a numeric keypad with digits 1-9, 0, and a backspace icon. Below the keypad are "Cancel" and "Enter" buttons. The status bar at the top shows 43% battery and the time 12:57.

Enter CVV:

1 2 3

4 5 6

7 8 9

✕ 0

Cancel Enter

Tap the text box for keyboard input and type the Security Code. Press the green Enter key on the device keyboard.

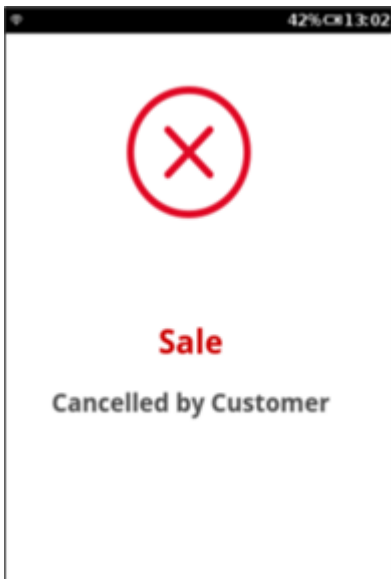
Additional Sale Screens

Display

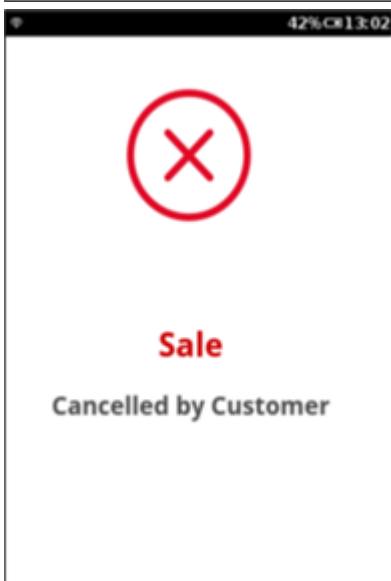
Description



This is the Card Read screen with payment brands.




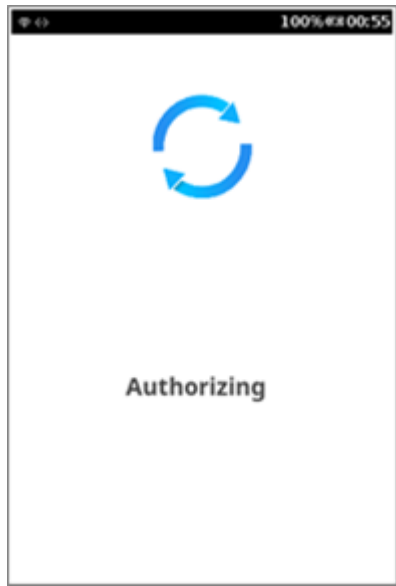
Cancel by Customer: This screen will be displayed if the transaction is cancelled manually at any point.



Cancel by Timeout: This is the Status screen if the Sale is cancelled due to Time out.

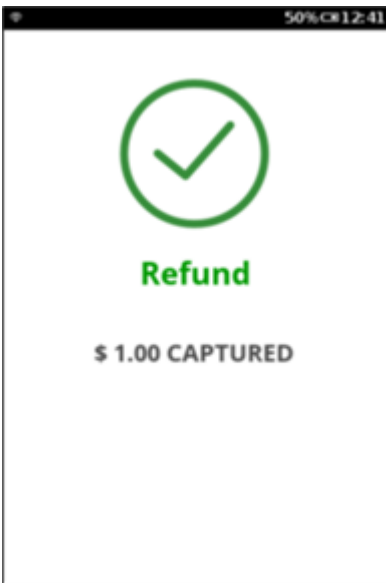
Refund

Refund - Tap

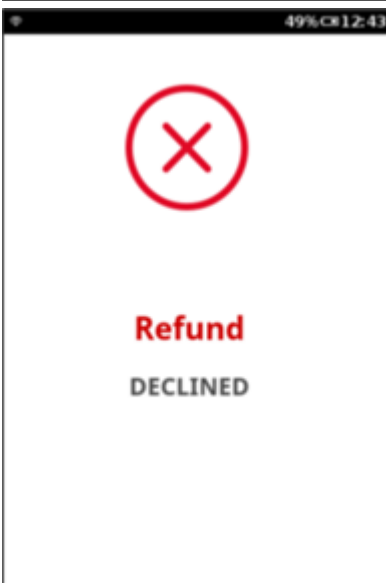
Display	Description
	Select the card entry mode: Tap
	Authorization in progress screen.

Display

Description



Transaction is approved screen. After the transaction is complete, the device will return to the Idle Screen.



This is the status screen as Refund Declined if the transaction is not approved.

Refund - Insert

Display

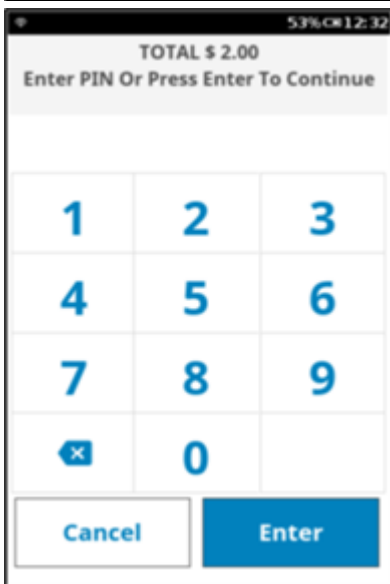
Description



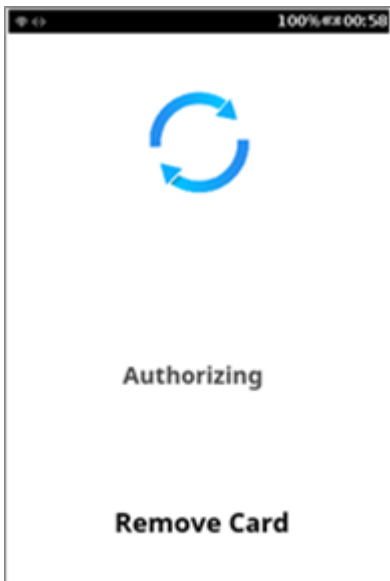
Select the card entry mode: Insert or Swipe



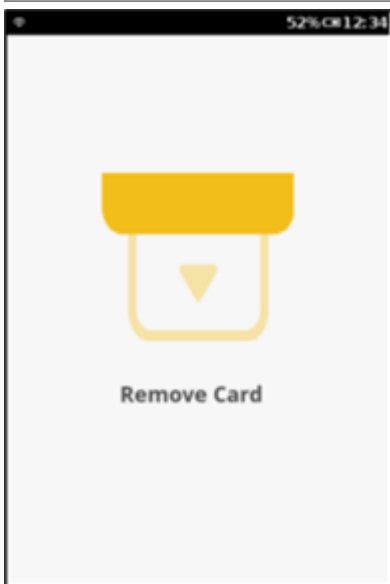
Processing screen and card should be inserted.



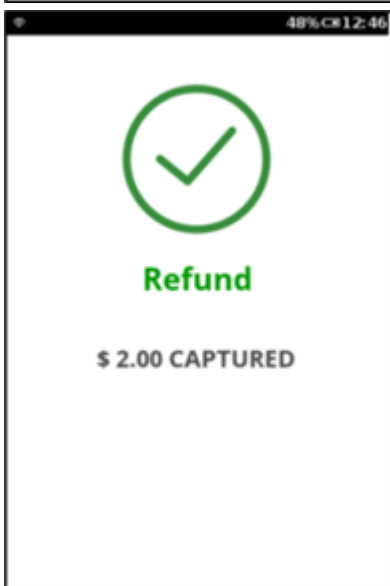
Tap the text box for keyboard input and type the PIN or press the Enter key to continue to next screen.



Authorization in progress screen.



The transaction is completed and the card can be removed. After the card is removed the status screen is displayed, until the next command is sent.

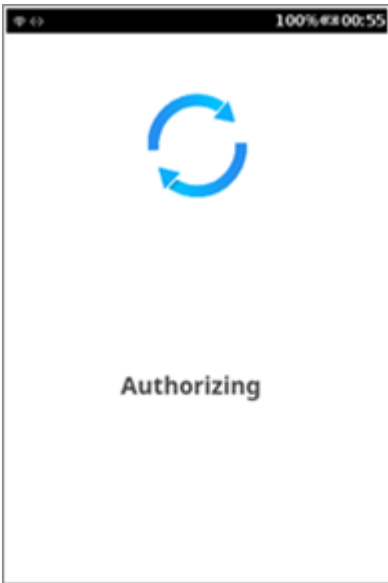


This is the Status screen as Refund Approved.

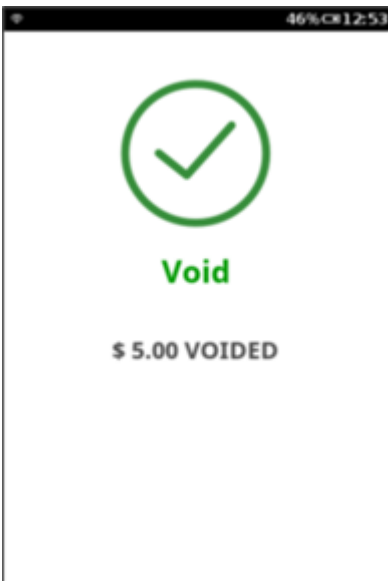
Void

Display

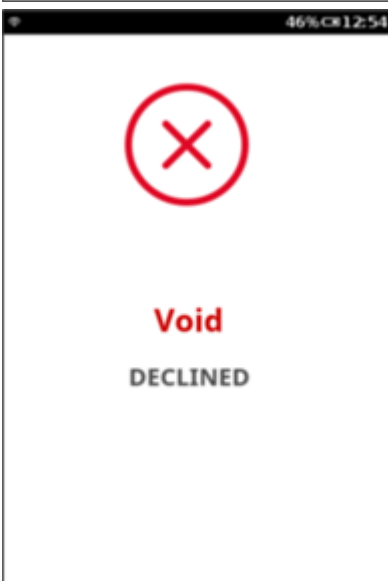
Description



Void transaction is processed, and authorization is in progress screen.



This is the Status screen as Voided (success).





Void declined status screen.

Optional Screens

Optional Screens are displayed during the Sale flow and these screens can be configured based on required parameters.

Welcome Screen

Display	Description
	This is the screen within the session when LINEITEMDISPLAY parameter should be set to 0 (disabled) and pre-swipe (SWIPE_AHEAD) field should be sent as 0 (disabled) in Start session command.
	This is the Welcome screen with Card read option.

Split Tender

Display	Description
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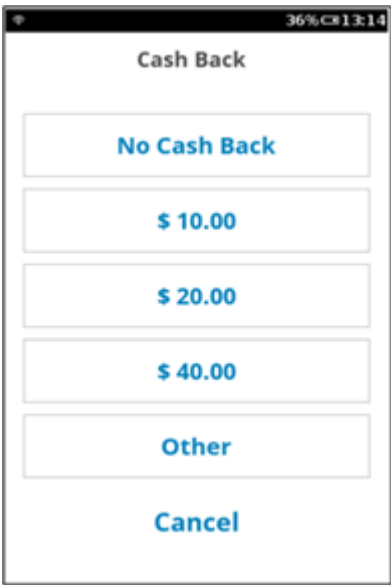
Option to choose if the amount would be divided to two cards.

- Select No to enter the partial amount to pay.
- Select Yes to pay full amount in one card, and Card Read screen would be displayed.

Cash Back

Display

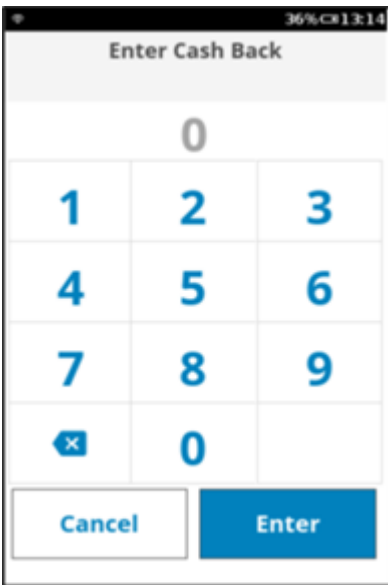
Description



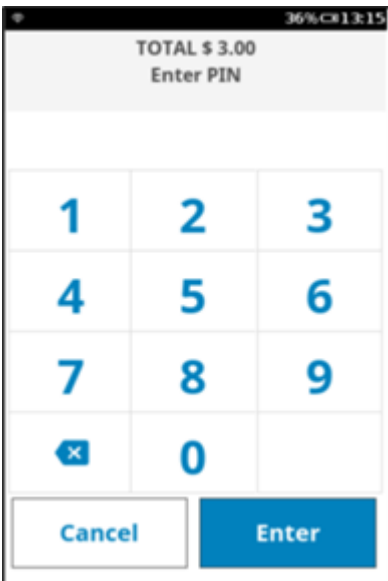
Select any Cashback amount or No Cash Back option. This selection will prompt for Enter PIN screen. If Other option selected, then Enter Cash Back screen will be prompt.

Display

Description

A screenshot of a mobile application screen titled "Enter Cash Back". At the top, the status bar shows "36% C813:14". Below the title, the number "0" is displayed in a large font. A numeric keypad is visible with digits 1 through 9, 0, and a backspace icon (X). At the bottom, there are two buttons: "Cancel" and "Enter".

Enter the cashback amount and press OK.

A screenshot of a mobile application screen titled "TOTAL \$ 3.00 Enter PIN". At the top, the status bar shows "36% C813:15". Below the title, the text "TOTAL \$ 3.00" and "Enter PIN" are displayed. A numeric keypad is visible with digits 1 through 9, 0, and a backspace icon (X). At the bottom, there are two buttons: "Cancel" and "Enter".

Enter the PIN and press Enter key to prompt for Card Entry screen.

Card Type/Payment Type Selection

Display

Description

36% C8 13:13

Card Type?

CREDIT

DEBIT

PRIVATE LABEL

Cancel

Select the card type.

Tip Selection

34% C8 13:22

Select a Tip Amount

10% \$ 0.10	15% \$ 0.15
20% \$ 0.20	25% \$ 0.25
Custom	No Tip

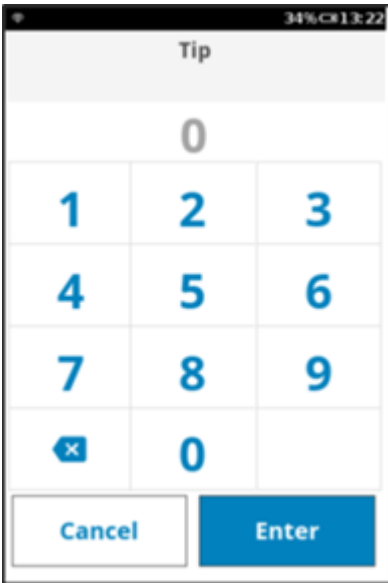
Cancel

Description

Select any predefined Tip amount.

Display

Description



A screenshot of a mobile application's 'Tip' screen. The screen has a status bar at the top showing '34%' battery and '13:22' time. Below the status bar is a header 'Tip' on a light gray background. The main display area shows the number '0'. Below the display is a numeric keypad with buttons for digits 1-9, 0, and a backspace icon (a blue square with a white 'x'). At the bottom are two buttons: 'Cancel' (white with blue text) and 'Enter' (blue with white text).

Custom Tip: If selected Custom option in Tip Amount screen, then tap the text box for keyboard input.



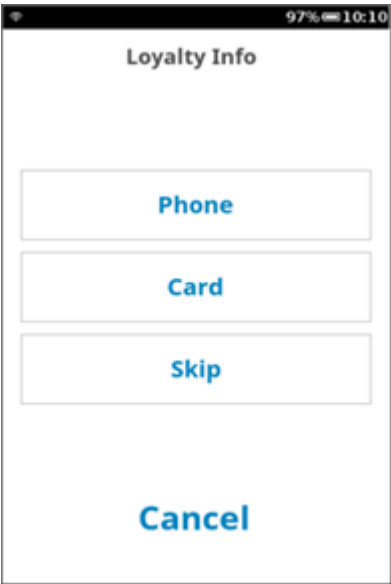
A screenshot of the same 'Tip' screen, but now the display shows '\$2.00'. The numeric keypad and bottom buttons remain the same as in the previous screenshot.

Enter the Tip amount and press OK or Enter key.

Loyalty Entry Method

Display

Description



Select **Phone** option to enter phone number or select **Card** option to go to Loyalty Card for card swipe or entering account number. Select **Skip** if Loyalty Entry Method is not required.

Phone Number

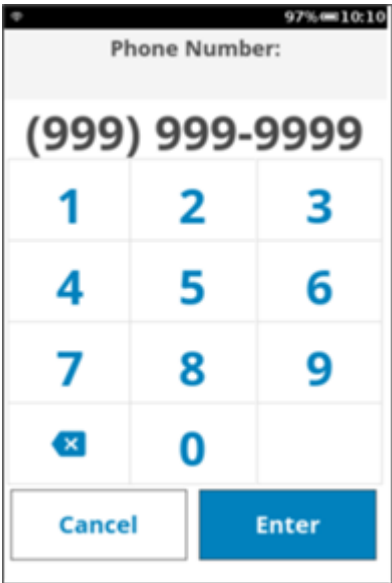


Description

Tap the text box for keyboard input and type the phone number.

Display

Description



97% 10:10

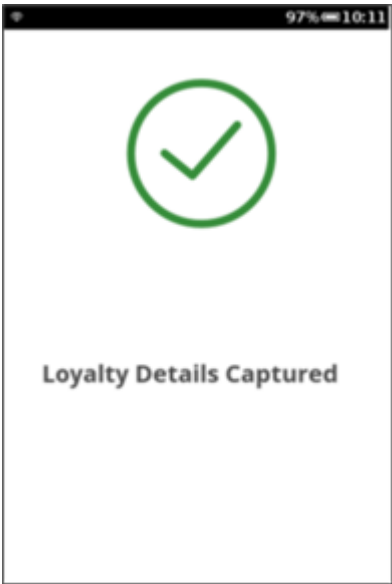
Phone Number:

(999) 999-9999

1	2	3
4	5	6
7	8	9
✕	0	

Cancel Enter

Press Enter to process.

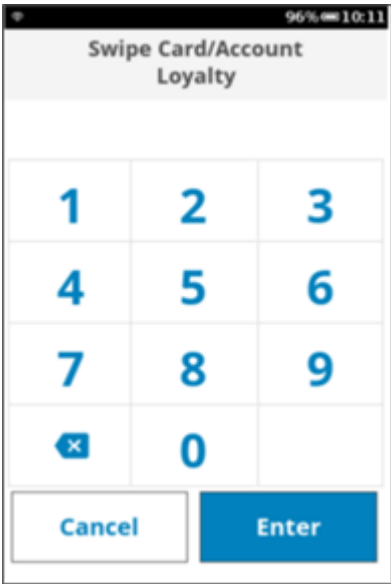


Status screen displays as Loyalty details captured.

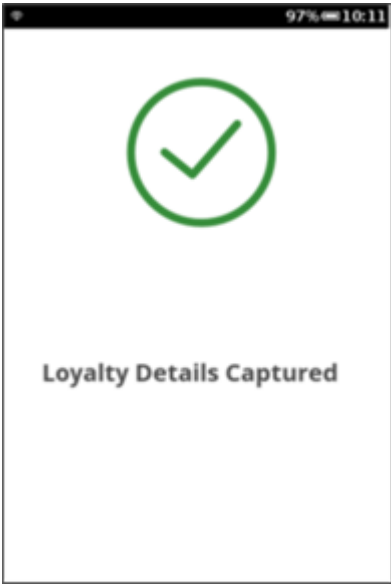
Loyalty Card

Display

Description



Tap the text box for keyboard input to type the account number or Swipe the card.



Status screen displays as Loyalty details captured.

Device Command Screens

Display

Description

100% 09:22

WOULD YOU LIKE
TO CONTRIBUTE TO
XYZ FOUNDATIONS TODAY?

\$5.00

\$10.00

\$15.00

Skip

Charity Donation.

100% 09:22

WOULD YOU LIKE
TO SIGN UP FOR
EMAIL COUPONS

No

Yes

Cancel

Customer Question.

100% 09:24

PLEASE SELECT THE COMPANY
YOU HAVE WORKED IN
YOUR CAREER

WORLD MARKETING

VERIFONE

FIRSTDATA

TSYS

Cancel

Customer Button.

100% 09:29

HOW WOULD YOU RATE YOUR SERVICE TODAY WITH 5 BEING BEST AND 1 BEING WORST

1 2 3 4 5

Skip Submit

Customer survey 5.

100% 09:29

HOW WOULD YOU RATE YOUR SERVICE TODAY WITH 10 BEING BEST AND 1 BEING WORST

1 2 3 4 5
6 7 8 9 10

Skip Submit

Customer survey 10.

100% 09:33

PLEASE ENTER YOUR NAME

< DAVID >

Q W E R T Y U I O P
A S D F G H J K L
↑ Z X C V B N M ✉
X 123 #+ = _ @ . ↵

Credit Application - Tap the text box for keyboard input to type the name.

100% 09:33

PLEASE ENTER YOUR PHONE NUMBER

< () - >

1	2	3
4	5	6
7	8	9
✕	0	

Cancel Enter

Credit Application - Tap the text box for keyboard input to type the phone number. Once the number is added then press Enter.

100% 09:34

PLEASE ENTER YOUR GROSS INCOME

< \$252525.00 >

1	2	3
4	5	6
7	8	9
✕	0	

Cancel Enter

Credit Application - Tap the text box for keyboard input to type the gross income and press Enter to confirm.

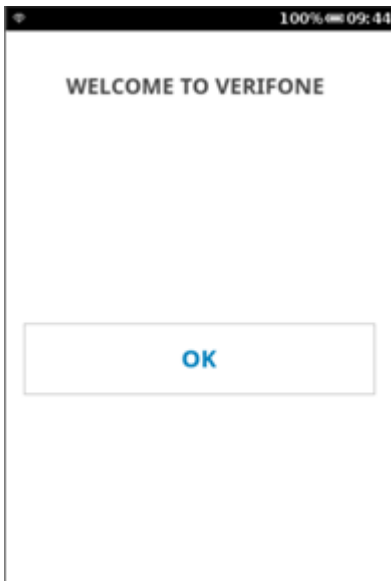
100% 09:42

What factors are important to you when

<input type="checkbox"/>	Price
<input type="checkbox"/>	Usability
<input type="checkbox"/>	Features
<input type="checkbox"/>	Support
<input type="checkbox"/>	Software update
<input type="checkbox"/>	Services

Cancel OK

Check box.



Display message.



Email address.



Signature Extended.

98% 10:05

Sign to Authorize Transaction

I hereby agree to use no more than 4000 characters, and I am aware the Display allows for 230-300 characters

Clear

Cancel

OK

Enter OK.